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13 May 1954

MEMORANDUM FOR: FM/Chief, Doctrine and Technique Branch

ATTENTION:

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SUBJECT: TSS/MD Burial Program

1. TSS/MD is planning a burial test program for this summer. Its object will be to test the suitability of various packaging materials and methods for long-term burial. It is planned to place test materials underground up to five years and inspect periodically to determine their condition.

2. A list of material currently being considered for use in this program are:

- a) TSS stainless Steel Burial Container.
- b) Air Force Fiberglass Ammunition Box-Modified.
- c) Hot-Dip compound - Seal Pen, HR-45.
- d) Hot-Dip compound - Seal Pen, Fungicide.
- e) Hot-Dip Compound - Jan-C-149, Type II.
- f) TSS Nylon Backed Foil Barrier Material.
- g) Self-Sealing Rubber - Dunlop.
- h) Mason Jars.
- i) Barrier Material - Jan 131.
- j) Tin Cans.
- k) Cold Plastic Compound.
- l) Polyethelene.

3. Materials to be buried will vary but should consist mostly of guns, signal flares, and hardware. Past experience with burial, indicates that these items easily and reliably indicate status of preservation.

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4. [] have been chosen for the burial sites. These sites shall be further sub-divided into as many varying soil and burial conditions as possible. One possible breakdown will be:

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- a) Underwater-moderate depth.
- b) Sea water-moderate depth.
- c) Sand.
- d) Clay.
- e) Loam-as many possible loam conditions as may be found.
- f) Swamp.

It is intended to exploit available conditions to a maximum at the two selected sites.

5. Past conversations indicate that FM is interested in a burial test program of this type. TBS/MD will be glad to receive suggestions and comments on this program. Any materials or methods that FM might like to try can be included. TBS/MD is anxious to include all reasonable materials or methods in the program. Further information may be obtained from []

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[], Quarters Eye, Room No. 2404, Extension []



Chief
Mechanical Division, TBS

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Distribution:

- Orig. & 1 - Addressee
- 1 - Burial Packaging File
- 1 - Liaison-FM File
- 1 - MD Chrono

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